Title (en)

METHOD FOR TRAINING A MACHINE LEARNING MODEL ABLE TO BE USED TO DETERMINE A REMAINING LIFE OF A WIND POWER INSTALLATION

Title (de)

VERFAHREN ZUM TRAINIEREN EINES MACHINE-LEARNING-MODELLS VERWENDBAR ZUM BESTIMMEN EINER RESTNUTZUNGSDAUER EINER WINDKRAFTANLAGE

Title (fr)

PROCÉDÉ DE FORMATION D'UN MODÈLE D'APPRENTISSAGE MACHINE POUVANT ÊTRE UTILISÉ POUR DÉTERMINER UNE DURÉE DE VIE RESTANTE D'UNE INSTALLATION D'ÉNERGIE ÉOLIENNE

Publication

EP 4348043 A1 20240410 (DE)

Application

EP 22727069 A 20220502

Priority

• DE 102021113547 A 20210526
• EP 2022061701 W 20220502

Abstract (en)

[origin: WO2022248164A1] The application relates to a method, in particular a computer-implemented method, for training a machine learning model (750) able to be used to determine a remaining life of a wind power installation (102, 104), comprising providing a multiplicity of operating datasets of a reference wind power installation (102), providing a multiplicity of loading datasets of the reference wind power installation (102), wherein a loading dataset is based at least on at least one loading parameter measured on the reference wind power installation (102), and generating a multiplicity of wind power training datasets for training a machine learning model (750) through the synchronized assignment of a respective operating dataset to a respective loading dataset.

IPC 8 full level

F03D 7/04 (2006.01)

CPC (source: EP US)

F03D 7/045 (2013.01 - EP); F03D 17/0065 (2023.08 - US); G05B 23/0283 (2013.01 - US); G06N 3/08 (2013.01 - EP);
F05B 2260/80 (2013.01 - US); F05B 2260/84 (2013.01 - EP); F05B 2270/328 (2013.01 - EP); F05B 2270/331 (2013.01 - EP);
F05B 2270/335 (2013.01 - EP); F05B 2270/709 (2013.01 - US); G05B 13/0265 (2013.01 - EP); G06N 3/047 (2023.01 - EP);
G06N 20/00 (2018.12 - EP); Y02E 10/72 (2013.01 - EP)

Citation (search report)

See references of WO 2022248164A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102021113547 A 20210526; EP 2022061701 W 20220502; EP 22727069 A 20220502; US 202318511216 A 20231116